

Revue suisse Zool.	Tome 97	Fasc. 2	p. 427-434	Genève, juin 1990
--------------------	---------	---------	------------	-------------------

Platynotini (Coleoptera, Tenebrionidae, Opatrinae) of the Natural History Museum in Geneva

by

Dariusz IWAN *

With 7 figures

ABSTRACT

Platynotini (Coleoptera, Tenebrionidae, Opatrinae) of the Natural History Museum in Geneva. — 29 species of Platynotini are recorded from the Geneva collection, and new faunistic records are provided. One new species — *Platydendarus marzenae* is described and figured.

Through the kindness of Dr. Ivan Löbl of the Natural History Museum in Geneva I was able to examine the interesting collection of the Platynotini. The group is poorly known and only few faunistic and taxonomic papers were published (MULSANT and REY, 1853; GRIDELLI, 1947; KOCH, 1956; KASZAB, 1975).

The mentioned material is deposited in the Natural History Museum in Geneva.

I thank Dr. Ivan Löbl and Dr. Ottó Merkl (Budapest) for the loan of material and Dr. Stanisław A. Słipiński for his help and advice.

***Opatrinus aciculatus* Le Conte**

Opatrinus aciculatus Le Conte, 1858, *Proc. Ac. Phil.* 1858: 75; Horn 1870, *Trans. Am. phil. Soc.* 14: 349.

MATERIAL EXAMINED: "Texas", 1 ♀.

Distribution: USA: Texas.

* Institute of Zoology, Wilcza 64, 00-679 Warszawa, Poland.

Opatrinus gemellatus (Olivier)

Blaps gemellata Olivier, 1795, Ent. 3, 60: 9. — In *Opatrinus*: Mulsant and Rey 1853: 299; Marcuzzi 1977, *Studies Curaçao* 12, 170: 22.

MATERIAL EXAMINED: "Guadeloupe s. str., Deshaies Gr. Anse, 26.VII.1974, rotten leaves", (Vit), 9♀ 8♂. — "Guadeloupe Grd. T., St. Louis, 21.XI.1983", (Vit), 2♀ 1♂. — "Venezuela, coll. Gory", 2♀ 2♂. — "Colombia", 2♂ 1♀. — "Porto Cabello", 1♀.

Distribution: Guiana, Venezuela, Colombia, Margarita, Trinidad, Tobago, Grenada, Bequia, Moustique, Union, Barbados, St. Vincent, St. Lucia, Martinique, Dominica, Les Saintes, Marie-Galante, Guadeloupe, St. Kitts, St. Croix.

Opatrinus laticollis Latreille

Opatrinus laticollis Latreille, 1833, *Voy. Humbl. Bonpl.* 34: 66; Mulsant and Rey 1853: 301.

MATERIAL EXAMINED: "Colombia", 1♀ 1♂.

Distribution: New Grenada, Colombia.

Opatrinus minimus (Beauvois)

Tenebrio minimus Beauvois, 1805, *Ins. Afr. Amer.* 31: 164. — In *Opatrinus*: Chevrolat 1852, *Ann. Fr.* 2, 10: 636;

Opatrum notum Say, 1827, *Journ. Ac. Phil.* 5: 237; Mulsant and Rey, 1853: 309.

MATERIAL EXAMINED: "Florida, Wakolla Springs bei Tallahassee", (Smetana), 1♀. — "Florida, Lake Istokpoga near Lorida, 12.III.1968", (Smetana), 2♂. — "Louisiana, St. John The Baptist Co., Manchac, 20.III.1968", (Smetana), 1♀. — "North Amer., coll. Gory", 1♀ 3♂. — "Louisiana", 1♀.

Distribution: Atlantic coast of the USA from Louisiana to Massachusetts.

Opatrinus moestus Mulsant and Rey

Opatrinus moestus Mulsant and Rey, 1853: 306.

MATERIAL EXAMINED: "Argentina, Buenos Aires, Stevenia, XI.1950", (Mussard), 1♀.

Distribution: Argentina, Brazil.

Opatrinus pullus (Sahlberg)

Opatrum pullus Sahlberg, 1823, *Thon's Arch.* II: 16. — In *Opatrinus*: Gebien 1910, *Coleopterorum Catalogus* 15: 277; Marcuzzi 1977, *Studies Curaçao* 12, 170: 32;

Opatrinus anthracinus Mulsant and Rey, 1853: 304.

MATERIAL EXAMINED: "Cuba", 2♀ 1♂. — "Mexico, Merida, Yucatan, 13-15.XII.1975", (de Chambrier), 3♀ 1♂.

Distribution: Puerto Rico, Jamaica, Cuba, Mexico.

Opatrinus corvinus Mulsant and Rey

Opatrinus corvinus Mulsant and Rey, 1853: 296; Gridelli 1947: 40; Koch 1956: 94.

MATERIAL EXAMINED: "Egypt", (Melly), 2♀ 2♂.

Distribution: Mali, Niger, Chad, Sudan, Ethiopia, Egypt.

Opatrinus costulatus (Guérin)

Opatrum costulatum Guérin, 1849, *Voy. Lefebure* 5: 321. — In *Opatrinus*: Gemminger and Harold 1870, *Catalogus Coleopterorum* VII: 1915; Gridelli 1947: 48; Koch 1956: 110.

MATERIAL EXAMINED: "Abyssinia", 2♂♂ 4♀♀.

Distribution: Nigeria, Chad, Sudan, Ethiopia, Somaliland.

Opatrinus latipes (Sahlberg)

Opatrum latipes Sahlberg, 1823, *Thon's Arch.* II, 1: 13. — In *Opatrinus*: Gemminger and Harold 1870, *Catalogus Coleopterorum* VII: 1915; Gridelli 1947: 46; Koch 1956: 105;

Opatrinus ovalis Mulsant and Rey, 1853: 315;

Opatrinus atratus Quedenfeldt, 1885, *Berl. Ent. Zeitchr.* XXIX: 8;

Opatrinus opacus Gebien, 1904, *Ark. Zool.* 2, 5: 4.

MATERIAL EXAMINED: "Ivory Coast, Adzopé", (Mussard), 1♂. — "Ivory Coast, Sassandra, August 1948", (Mussard), 2♀♀. — "Cameroon, at light", (Notari), 2♂♂ 1♀. — "Upper Volta, Ouagadougou, V-VII.1974", (Rolero), 1♂. — "Senegal, coll. Gory", 1♀. — "Congo, Luluabourg", 2♀♀.

Distribution: tropical Africa.

Opatrinus servus Mulsant and Rey

Opatrinus servus Mulsant and Rey, 1853: 317; Gridelli 1947: 92; Koch 1956: 112.

MATERIAL EXAMINED: "Cameroon, VII.1983, Etoubi Assok, at light", (Notari), 1♂.

Distribution: tropical Africa.

Anchophthalmus algoensis Péringuey

Anchophthalmus algoensis Péringuey, 1904, *Ann. S. Afr.* 3: 237; Koch 1956: 128.

MATERIAL EXAMINED: "South Africa: Transvaal", (Audéoud), 1♂. — "Mozambique, Lourenço Marques", (Audéoud), 1♂.

Distribution: southern Mozambique, northern Transvaal.

Anchophthalmus plicipennis Péringuey

Anchophthalmus plicipennis Péringuey, 1904, *Ann. S. Afr.* 3: 238; Koch 1956: 148.

MATERIAL EXAMINED: "Tanganyika, Shinyanga", 1♂ 3♀♀.

Distribution: south-eastern part of tropical Africa.

Glyptopteryx quadricollis (Fairmaire)

Selinus quadricollis Fairmaire, 1887, *Ann. Soc. Ent. France* 6: 284. — In *Glyptopteryx*: Koch 1956: 217;

Glyptopteryx forticostis Gebien, 1910, *Erg. Exp. Kilim.* 7: 376.

MATERIAL EXAMINED: "Kenya, lac Naivasha, 10 km Fisherman's Camp, 5.XI.1974", (Mahnert, Perret), 1♀.

Distribution: eastern part of tropical Africa.

Melanopterus porcatus Mulsant and Rey

Melanopterus porcatus Mulsant and Rey, 1854, *Mem. Ac. Lyon* 4: 159.

MATERIAL EXAMINED: "Cape Province", 1 ♀.

Distribution: South Africa: Cape Province.

Monodius convexipennis (Gebien)

Selinus convexipennis Gebien, 1904, *Ark. Zool.* 5: 2. — In *Monodius*: Koch 1956: 181.

MATERIAL EXAMINED: "Cameroon, Etoubi Assok, at light, VII.1983", (Notari), 3 ♀ ♀ 1 ♂.

Distribution: Nigeria, Cameroon.

Quadrideres femineus (Lesne)

Selinus femineus Lesne, 1922, *Voy. Rothsch.* 1: 701. — In *Quadrideres*: Koch 1956: 192.

MATERIAL EXAMINED: "Kenya, lac Nivasha, 10 km Fisherman's Camp, 5.XI.1974", (Mahnert, Perret), 7 ♀ ♀ 3 ♂ ♂.

Distribution: eastern part of tropical Africa.

Quadrideres simplicipes (Gebien)

Selinus simplicipes Gebien, 1910, *Erg. Exp. Kilim.* 7: 374. — In *Quadrideres*: Koch 1956: 205.

MATERIAL EXAMINED: "Kenya, Taita Hills, Mwarungu, 1700 m, 3.II.1974", (Mahnert, Perret), 3 ♀ ♀.

Distribution: Kenya.

Selinus planus (Fabricius)

Opatrum planum Fabricius, 1792, *Ent. Syst.* 1: 118. — In *Selinus*: Mulsant and Rey 1853: 324; Koch 1956: 251.

MATERIAL EXAMINED: "West Africa", 1 ♀.

Distribution: north-western part of tropical Africa.

Eucolus polinierii Mulsant and Rey

Eucolus Polinierii Mulsant and Rey, 1853: 292; Kaszab 1975: 285.

MATERIAL EXAMINED: "Ceylon, Kandy", 1 ♀ 1 ♂.

Distribution: southern India, Sri Lanka.

Menearchus dispar (Herbst)

Tenebrio dispar Herbst, 1797, *Natursystem*, 7: 248. — In *Menearchus*: Kaszab 1975: 336.

MATERIAL EXAMINED: "India or.", 2 ♂ ♂. — "India mér. 24.V.". (Carl et Escher), 1 ♀. — "Ceylon, Tricomalie" (Humbert), 3 ♀ ♀ 2 ♂ ♂.

Distribution: southern India, Sri Lanka.

***Menearchus hirtipes* Kaszab**

Menearchus hirtipes Kaszab, 1975: 335.

MATERIAL EXAMINED: "India, Madras, Coimbatore, 1400 ft", (Nathan), 1♂ 3♀.

Distribution: southern India.

***Menearchus laevipennis* Kaszab**

Menearchus laevipennis Kaszab, 1975: 347.

MATERIAL EXAMINED: "Ceylon, Trincomalie" (Humbert), 4♂♂.

Distribution: Sri Lanka.

***Menearchus tenuestriatus* (Fairmaire)**

Pseudoblaps tenuestriata Fairmaire, 1898, *Annls Soc. ent. Fr.* 67: 391. — In *Menearchus*: Kaszab 1975: 342.

MATERIAL EXAMINED: "Ceylon, Trincomalie" (Humbert), 2♂♂ 3♀♀.

Distribution: Sri Lanka.

***Platyndarus javanus* (Wiedemann)**

Opatrum javanum Wiedemann, 1819, *Zool. Mag.* 1, 3: 163. — In *Platyndarus*: Kaszab 1975: 318.

MATERIAL EXAMINED: "Thailand, Huà Đông, 20 km N Nakhon Sawan, 1981", (Schwendinger), 1♀ 1♂. — "Thailand, Surin, 27.XII.1985", (Schwendinger), 1♀. — "Thailand, Chiang Mai", (Schwendinger), 3♀♀ 3♂♂.

Distribution: southern China, India, Sunda Islands, Moluccas.

***Platyndarus marzenae* n. sp. (figs 1-7)**

Body black, shiny. Head densely and coarsely punctured; frons strongly depressed medially and near fronto-clypeal suture (fig. 2); eyes convex. Pronotum (fig. 3) 0,71 × as long as wide; disc densely and coarsely punctured, wrinkled towards lateral margins; sides of pronotum distinctly rounded, with shallow sinuosity in front of posterior angles; pronotal edges crenulate; anterior angles acute, slightly prominent; pronotal base sinuate laterally, marginal carina obsolescent and broadly interrupted medially. Elytra (fig. 4) 1,4 × as long as wide and 2,4 × as long as pronotum, broadly oval, convex laterally, with rounded sides; elytral punctures strong, round, situated in distinct grooves; fourth row consist of 36 punctures; intervals slightly convex, with sparser, much finer punctation. External female genitalia as on figure 7; total length 1,92 mm, paraprocts 1,06 mm, coxites 1,12 mm, ratio p/c 0,96; paraprocts trapezoidal, with longitudinal baculi; coxites subdivided into 4 lobes; gonostyli with a number of hairs at the top, one of them longer than the other. Bursa copularix (figs 5, 6) with three well-sclerotised membranes.

Length 12,5-13,1 mm.

HOLOTYPE ♀ — [Burma, Taninthari], "India or., Tenasserim, Meešan Fea. Apr. 1887, It. L. Fea Dupl. Ach. 7.92", (Mus. Geneva).

PARATYPE ♀ — [Burma, Taninthari], "Tenasserim, J. W. M.", (Hungarian Natural History Museum).

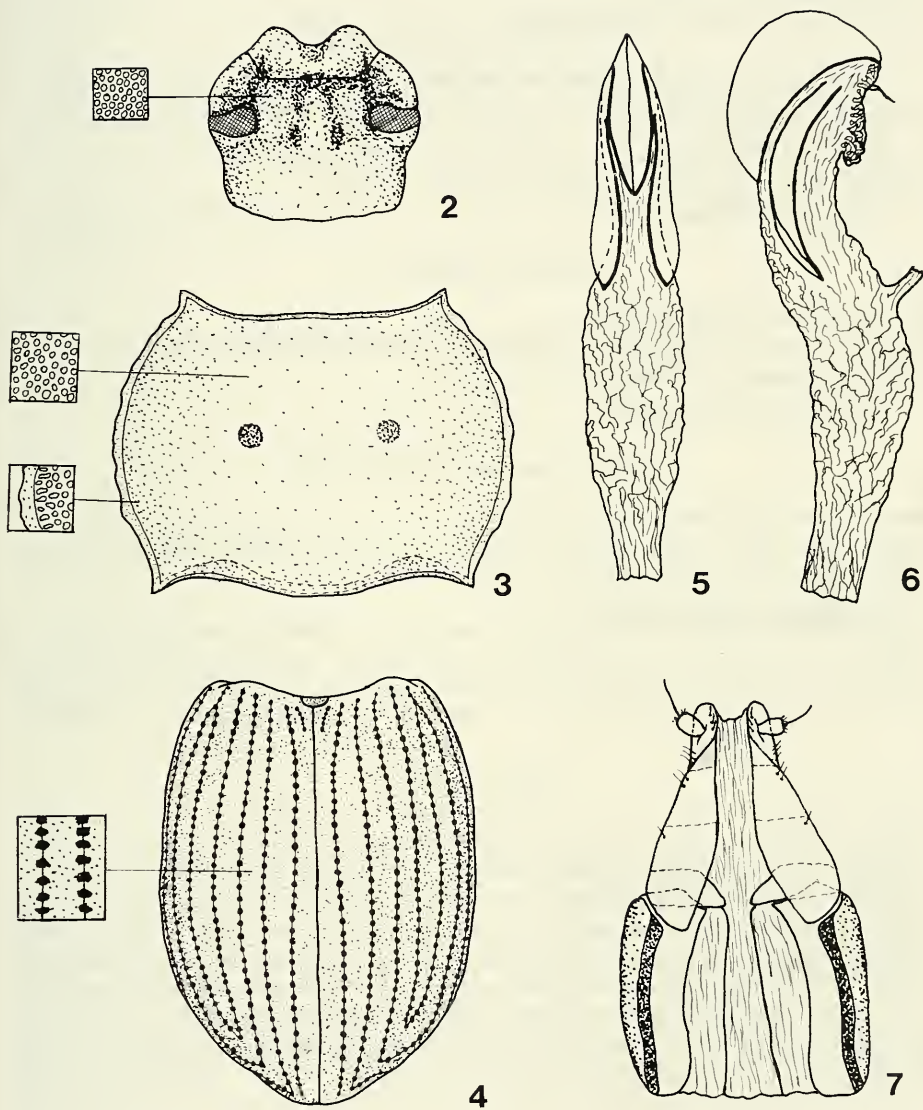
Dedicated to Miss Marzena Kowalow.

This species is similar to *P. rondoni* Kaszab, 1975. It differs from it in having the lateral edges of pronotum crenulate (smooth in *rondoni*) and elytral punctures in distinct grooves (without grooves in *rondoni*).

**1**

FIG. 1.

Platydendarus marzenae sp. n., dorsal view.



FIGS 2-7.

Platydendarus marzenae sp. n. — 2: head, dorsal; 3: pronotum; 4: elytra; 5: bursa copulatrix, dorsal; 6: bursa copulatrix, lateral; 7: ovipositor, dorsal.

Platynotoides belli (Fairmaire)

Platynotus Belli Fairmaire, 1896, *Annls. Soc. ent. Belg.* 40: 13. — In *Platynotoides*: Kaszab 1975: 297.

MATERIAL EXAMINED: "India", 2 ♀ ♀.

Distribution: southern India, Burma.

Rugoplatynotus andrewesi (Fairmaire)

Pseudoblaps Andrewesii Fairmaire, 1896, *Annls. Soc. ent. Belg.* 40: 14. — In *Rugoplatynotus*: Kaszab 1975: 289.

MATERIAL EXAMINED: "Burma, Thigyara, 11.VI.1885", (Fea), 1 ♀.

Distribution: Burma.

Notocorax mandli Kaszab

Notocorax mandli Kaszab, 1975: 302.

MATERIAL EXAMINED: "India, Madras, Coimbatore, 1400 Ft, VIII.1971", (Nathan), 1 ♂. — "India, Madras, Coimbatore, sub lapido, oct. 1976", 1 ♀.

Distribution: southern India.

Notocorax nervosus Mulsant and Rey

Notocorax nervosus Mulsant and Rey, 1853: 50.

MATERIAL EXAMINED: "India, Madras, Coimbatore, 1400 Ft, IX.1972", (Nathan), 2 ♂ ♂. — "India, Madras, Coimbatore, 1400 Ft, XI.1975", (Nathan), 1 ♀.

Distribution: southern India.

BIBLIOGRAPHY

- GRIDELLI, E. 1947. Specie africane del genere *Opatrinus* Muls. Rey (Coleopt. Tenebr.). *Atti Mus. civ. Stor. nat. Trieste* 16, 3: 37-52.
- KASZAB, Z. 1975. Revision der Asiatischen Platynotinen (Coleoptera: Tenebrionidae). *Acta zool. hung.* 21, 3-4: 277-367.
- KOCH, C. 1956. Il Tenebrionidae (Coleoptera Polyphaga) Opatrinae, First part: Platynotini, Litoborini and Loensini. Exploration du Parc National de l'Upemba, *Inst. Parcs Nat. Congo Belge, Bruxelles*, 1-472 pp., 8 maps, 282 figs, 35 pl.
- MULSANT, E. and Cl. REY. 1853. Essai d'une division des derniers Mélasomes. *Opusc. ent.* 4: 1-242.